



UFD301

1-Megapixel Mini Dome Camera

1/4" Lumii sensor, H.264, triple streaming, WDR, digital day/night, PoE, IP67, IK10

The UFD301 is a megapixel mini dome camera designed for low profile installations. Measuring only 11cm in diameter and less than 5cm high, the compact form factor allows the camera to easily adapt to the surroundings, meeting special requirements for discreet surveillance in an unobtrusive manner. The lens is built on a unique spherical stand featuring full-ranged, 3-dimensional pan/tilt maneuvering capability, which enables installers to adjust the camera angle freely for achieving wide coverage when mounting on walls or ceilings. Designed to resist water and dust, the sturdily-built UFD301 can also be deployed in outdoor environments.



Compact Design Ideal for Discreet Surveillance

The sleek, compact-designed housing allows the camera to be easily installed and blend in the environment for unobtrusive monitoring, which is perfectly suited where discreet, covert surveillance is required.



3-dimensional Lens Adjustment

The megapixel lens is built on a unique spherical stand featuring full-ranged, 3-dimensional pan/tilt maneuvering capability, which enables the installers to adjust the camera angle freely when mounting on walls or ceilings.



Ultra Wide Dynamic Range

Compared with standard WDR, the new-generation WDR features sophisticated algorithm to further expand its dynamic range of the lighting conditions. It allows the camera capturing greater scene details in high contrast settings or in scenes with extremely bright and dark areas.



Triple Streaming with Multiple Video Profiles

The camera supports H.264 and MJPEG streams and allows triple streaming simultaneously. Video Streams can be further managed in profiles, enabling flexibility for users to designate bandwidth storage, and other video properties as appropriate.

Specifications

| Video | |
|----------------------|---|
| Sensor Type | 1/4" progressive scan CMOS sensor |
| Active Pixels | 1280 x 800 (HxV) |
| Compression | H.264 / MJPEG |
| Streaming | Triple simultaneous streams with multiple video profile |
| Resolution | 720P, SVGA(800x 600), VGA(640x480), 640x360, QVGA(320x240), 320x180 |
| Max. Frame Rate | HDTV 720p (1280x720) at 30 fps (NTSC) and 25 fps (PAL) |
| Day/Night | Digital D/N Control |
| Day/Night Mode | Auto/ BW/ Color |
| Shutter Time | 1/10,000s to 1/7.5s Selectable (60Hz); 1/10,000s to 1/6.25s Selectable (50Hz) |
| Minimum Illumination | Color: 0.3 lux at 50 IRE, 0.06 lux at 10 IRE, F1.8; B/W: 0.01 lux at 50 IRE, 0.04 lux at 10 IRE, F1.8 (Shutter speed: 1/15 sec) |
| Video Output | NTSC: 720x480 @30fps; PAL: 720x576 @25fps |
| Bit Rate Control | CBR, VBR |

| Lens | |
|--------------|-----------------------|
| Lens Type | Built-in; fixed focal |
| Focal Length | f=3.6mm, F1.8 |
| View Angle | H: 63° |

| Image Enhancement | |
|-------------------|---|
| Image Settings | AES, AWB, AGC Exposure Mode: AES / ALC / Flickerless / Manual; White Balance: Auto / Manual; Backlight Compensation Configurable Brightness, Contrast, Hue, Saturation, and Sharpness Gamma Correction |
| WDR | Enhanced Digital WDR |
| DNR | Configurable 3DNR setting |
| Privacy Zone | Yes, up to 8 privacy zones |
| Image Orientation | Mirror, Flip |
| Frequency Control | NTSC(60Hz)/ PAL(50Hz) |
| Date & Time Stamp | Yes |

| Intelligent Video & Event Management | |
|--------------------------------------|--|
| Motion Detection | Yes, 3-level sensitivity |
| Ethernet Detection | Network loss detection |
| Others | Optimized i-frame (GOP) setting |
| Events | Motion detection, ethernet detection |
| Event Actions | Event snapshot to remote FTP storage/ email recipients, HTTP event query, HTTP event client pulling |
| Store Category | Event snapshot, Manual Snapshot, Manual Recording |

| Network | |
|----------|---|
| Protocol | ARP, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, RTSP/RTCP/RTP, QoS, SMTP, SNMP, TCP, UDP, UPnP, IEEE802.1X |
| Ethernet | 10Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45 |
| ONVIF | Yes |
| Browser | Internet Explorer, Chrome, Firefox, Safari |

| | |
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| Security | Multiple user access levels with password protection; IP address filtering IEEE 802.1X network access control, HTTPS encryption, and digest authentication |
|----------|--|

| I/O & Controls | |
|---------------------|---|
| Power | All-in-one tail cable out Female RJ-45 10BASE-T/100BASE-TX PoE |
| Power LED Indicator | System power and status indicator |
| Network | Female RJ-45 |
| Analog Video | 1 x composite video out, micro JST |
| System Reboot | Reset x 1 |
| Factory Default | Default x 1, pressing 5 sec for loading factory default |

| Power | |
|--------------------------|-----------------------------|
| Power Requirement | PoE (IEEE 802.3af), class 0 |
| Power Consumption (Max.) | 7.7W |

| Mechanical | |
|---------------------|---|
| Dimensions(ΦxH) | Φ110mm x 47mm (Φ4.33" x 1.85") |
| Weight | 340g (0.75 lb) |
| Protection | IP66 Certified, IP67/IP68 Compliant IK10 Compliant |
| Pan/Tilt Adjustment | 3-dimensional spherical lens angle adjustment |

| Environmental | |
|-----------------------|------------------------------|
| Operating Temperature | -40°C ~ 50°C (-40°F ~ 122°F) |
| Operating Humidity | 90% RH, non-condensing |
| Storage Temperature | -40°C ~ 60°C (-40°F ~ 140°F) |

| Regulatory | |
|------------|---------------|
| Approvals | CE, FCC, RoHS |

| Ordering Information | |
|----------------------|--|
| Model No. | NTSC: UFD301-N3-MES; PAL: UFD301-P3-MES |
| Accessories | Surface mount: standard package support |

Dimensions

